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OF CREWE

ANNUAL REPORT

OF THE

Medical Officer of Health

AND THE



Chief Public Health Inspector

FOR THE YEAR 1959

D. G. CRAWSHAW, M.B., Ch.B., D.C.H., D.P.H.

Medical Officer of Health

JOHN GASKELL, M.Inst., P.C., M.R.S.H., M.A.P.H.I.

Chief Public Health Inspector

B O R O U G H O F C R E W E

ANNUAL REPORT


of the

MEDICAL OFFICER OF HEALTH

and the

CHIEF PUBLIC HEALTH INSPECTOR

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B O R O U G H O F C R E W E

HEALTH COMMITTEE

Chairman:

Alderman Mrs. F.E. White

Members:

HIS WORSHIP THE MAYOR (Ex Officio)

Alderman W.R. Foulkes, J.P.

Alderman J.A. Madeley, M.B.E., J.P., C.C.

Councillor E.W. Allcock

Councillor A. Broomhall

Councillor T.O.M. Ffoulkes

Councillor F. Holme

Councillor J.O. Hughes

Councillor A.G. Merrill

Councillor R.H. Nicholls

Councillor S. Orwell

Councillor Mrs. N.V. Patrick

Councillor Mrs. M.F. Pemberton

Councillor J. Perry.

B O R O U G H O F C R E W E

MEDICAL OFFICER'S OFFICE:

D.G. CRAWSHAW, M.B., Ch.B., D.C.H., D.P.H., Medical Officer of Health
(part-time with Cheshire C.C.)

C.E. BODEN, Chief Clerk (part-time with Cheshire C.C.) to 29.8.59.

B.J. SMITH, D.M.A. Chief Clerk (part-time with Cheshire C.C.)
from 21.9.59.

Mrs. J.M. COOKE, Clerk (full-time)

CHIEF PUBLIC HEALTH INSPECTOR'S DEPARTMENT:

J. GASKELL Chief Public Health Inspector
(1.2.3.4.5.6.) Inspector under the Diseases of Animals Acts

R.E. PLATT Deputy Chief Public Health Inspector
(1.2.5.)

C. BENNETT Public Health Inspector
(1.2.3.4.5.)

D.W. COOKE Public Health Inspector
(1.2.4.5.)

R.D. COLLIER Public Health Inspector
(1.2.4.)

E.H. PEET Public Health Inspector
(1.2.)

A.H. ROBERTS Pupil Public Health Inspector - resigned 6.2.59.

F.E. WESTON Pupil Public Health Inspector - commenced 14.9.59.

T.C. SIMPSON Chief Clerk

R.J. BLEASE Clerk

Miss M.D. BATTERBEE Shorthand Typist - resigned 31.8.59.

Miss B. PEAKE Shorthand Typist

Miss J. SANDERS Shorthand Typist - commenced 28.9.59.

1. Public Health Inspector's Certificate (Royal Society of Health and Public Health Inspectors' Examination Joint Board)
2. Meat and Food Inspector's Certificate of the Royal Society of Health.
3. Certificate in Sanitary Science as applied to Buildings and Public Works of the Royal Society of Health.
4. Smoke Inspector's Certificate of the Royal Society of Health.
5. Testamur of the Institute of Public Cleansing.
6. Associate Membership Examination of the Institution of Public Health Engineers.

Health Department,

July, 1960.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present to you my report on the health of the Borough of Crewe for the year 1959.

VITAL STATISTICS

During 1959, 15 infants died before reaching the age of 1 year giving an Infantile Mortality Rate of 17.8 per 1,000 live births. The number for 1958 (19) was the previous lowest figure ever recorded. 11 of these infants died before reaching an age of 28 days. One three months old infant died from Pneumonia and no infant death was ascribed either to Infectious Disease or to Gastro Enteritis and Diarrhoea.

The total number of deaths recorded (599) is a reduction on the rather high figure of 616 recorded in 1958. The death rate per 1,000 resident population having increased from 10.2 in 1956 to 12.05 in 1958, now falls to 11.7 for 1959. The England and Wales death rate also fell from 11.7 in 1958 to 11.6 in 1959. 226 of these deaths occurred in persons aged 75 years or over, this figure being a reduction of 12 on the 1958 figure. 7 deaths were attributed to accidents, and 4 persons committed suicide. 4 persons died from Pulmonary Tuberculosis and 113 persons died from Cancer, 18 of these being Lung Cancer. This latter figure is one less than the number of Lung Cancer deaths recorded in 1958 - i.e. a second year in succession showing a small reduction. One death was ascribed to "Pregnancy, Childbirth or Abortion".

INFECTIOUS DISEASES

The notified incidence of Measles 1,081 persons demonstrates the 2 year periodicity of this disease (in 1958 only 21 persons were notified) and Whooping Cough notifications remain very low at 6 persons, Scarlet Fever notifications (78) were exactly equal to the 1958 figures. No case of either Diphtheria or Poliomyelitis was notified and the Dysentery figure of 6 is again identical to the 1958 figure. The number of new cases of Pulmonary Tuberculosis (14) is a very welcome reduction on the figures for 1958 and 1957. B.C.G. Vaccination of 13 year old school children continued very satisfactorily and the acceptance rate was well maintained at about 80%.

Considerable progress was made with Poliomyelitis Vaccination during 1959 and a table has again been included to show the position at the end of the year.

In view of the alteration in the water supply during the year with the introduction of River Dee water, a slightly more detailed report is included. It is not easy to explain the three unsatisfactory samples, similar samples taken at the same time from the address proved entirely satisfactory and in 2 cases subsequent samples from the same houses also proved satisfactory.

I remain, Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

D.G. CRAWSHAW.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

General Statistics

Area (Census 1951)	...	...	...	...	...	...	4,386 acres
Population (Census 1951)	...	...	...	...	...	...	52,423
Registrar General's Estimated Population 1959	...	...	...	...	...	...	51,200
Number of inhabited houses, 1st April, 1959	...	...	...	...	...	...	16,676
Rateable Value (1st April, 1959)	...	...	...	...	...	...	£500,698
Sum represented by Penny Rate	...	...	...	...	...	...	£1,990

Extracts from Vital Statistics for the Year 1959

Notified Live Births:		Males	Females	Total
Legitimate		379	402	781
Illegitimate		28	32	60
All		407	434	841
Notified Stillbirths:		Males	Females	Total
Legitimate		8	8	16
Illegitimate		1	-	1
All		9	8	17
Total Live and Stillbirths		416	442	858

Live Birth Rate per 1,000 of estimated resident population (provisional) ... 16.4

Stillbirth Rate per 1,000 total (live and still) births ... 19.8

	Males	Females	Total
Registered Deaths	350	249	599

Death rate per 1,000 estimated resident population (provisional) 11.7

Death from puerperal causes:		Rate per 1,000	
		registered	total
		Deaths	Births
Pregnancy, childbirth, abortion		1.7	1.2

Death Rates of Infants under 1 year of age:

All infants per 1,000 registered live births (provisional) 17.8

Legitimate per 1,000 legitimate live births (provisional) 19.2

Illegitimate per 1,000 illegitimate live births (provisional) -

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL
MORTALITY AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES
IN THE YEAR 1959.

(Provisional figures based on Weekly and Quarterly returns)

								CREWE
								Rates per 1,000 Home Population
BIRTHS -								
Live	...	...	...	...	...	...	...	16.4
Still	...	...	...	...	...	...	...	0.33
								19.8 (a)
DEATHS -								
All causes	...	...	...	...	...	...	...	11.7
Typhoid & Paratyphoid Fevers	...	...	...	...	...	...	...	-
Whooping Cough	...	...	...	...	...	...	...	-
Diphtheria	...	...	...	...	...	...	...	-
Tuberculosis (all forms)	...	...	...	...	...	...	...	0.078
Influenza	...	...	...	...	...	...	...	0.098
Smallpox	...	...	...	...	...	...	...	-
Acute Poliomyelitis, including Polioencephalitis	...	...	...	...	...	...	...	-
Pneumonia (including pneumonia of Newborn)	...	...	...	...	...	...	...	0.156
								Rates per 1,000 Live Births
Under 1 year of age (all causes)	...	...	...	...	...	...	...	17.8 (b)
Gastro-Enteritis, Colitis (except ulcerative) and Diarrhoea under 2 years of age	...	...	...	...	...	...	...	-
								Rates per 1,000 Home Population
NOTIFICATIONS (Corrected) -								
Typhoid Fever	...	...	...	...	...	...	...	-
Paratyphoid Fever	...	...	...	...	...	...	...	-
Meningococcal Infection	...	...	...	...	...	...	...	0.02
Scarlet Fever	...	...	...	...	...	...	...	1.52
Whooping Cough	...	...	...	...	...	...	...	0.12
Diphtheria	...	...	...	...	...	...	...	-
Erysipelas	...	...	...	...	...	...	...	-
Smallpox	...	...	...	...	...	...	...	-
Measles	...	...	...	...	...	...	...	21.11
Pneumonia	...	...	...	...	...	...	...	0.02
Acute Poliomyelitis including Polioencephalitis	...	...	...	...	...	...	...
Paralytic	...	...	...	...	...	...	...	-
Non-Paralytic	...	...	...	...	...	...	...	-
Food Poisoning	...	...	...	...	...	...	...	-
Puerperal Pyrexia	...	...	...	...	...	...	...	-
Ophthalmia Neonatorum	...	...	...	...	...	...	...	-
Sonne Dysentery	...	...	...	...	...	...	...	0.12

(a) Per 1,000 Total (Live and Still) Births

(b) Per 1,000 related Live Births

A dash (-) signifies that there were no deaths or notifications.

BIRTH RATES DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL MORTALITY, AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES
in the year 1959

(continued)

Comparison of certain rates with those for England and Wales per
1,000 Home Population.

	<u>Crewe</u>	<u>England and Wales</u>
Live Births	16.4	16.5
Deaths (all causes)	11.7	11.6
Per 1,000 Total (Live and Still) Births		
Stillbirths	19.8	20.7
Per 1,000 Live Births		
Deaths under 1 year of age	17.8	22.0

MATERNAL MORTALITY

	Crewe No. of Deaths
Sepsis of pregnancy, childbirth and puerperium, Abortion with sepsis	-
Other complications of pregnancy, childbirth, and puerperium	1
Total Maternal Mortality	1

COMPARATIVE STATISTICS 1949 - 1959

Year	Estimated Population	Live Births		Still Births		Deaths		Infant Deaths				Maternal Deaths			Rate per 1,000 Total Births
		Number	Rate per 1,000 Estimated Population	Number	Rate per 1,000 Total Births	Number	Rate per 1,000 Estimated Population	Under 4 weeks	4 weeks - 12 months	Total	Rate per 1,000 Live Births	Number			
												Sepsis	Other	Total	
1949	53,120	815	16.3	18	20.36	673	12.7	18	11	29	33.5	1	-	1	1.13
1950	53,290	843	15.8	19	22.05	647	12.1	25	17	42	49.8	-	-	-	-
1951	52,220	809	15.5	17	20.58	793	15.1	19	13	32	39.5	-	-	-	-
1952	51,940	753	14.6	24	30.6	624	12.01	14	10	24	31.6	1	2	3	3.83
1953	52,150	809	15.5	23	27.6	513	9.8	25	5	28	34.6	-	-	-	-
1954	52,070	794	15.2	15	18.5	624	11.8	17	8	25	31.5	-	-	-	-
1955	51,580	720	13.9	20	27.1	574	11.1	16	9	25	34.8	-	-	-	-
1956	51,510		14.7	24	30.69	525	10.2	14	5	19	25.07	-	-	-	-
1957	51,450	785	15.2	20	24.84	576	11.2	14	7	21	26.8	-	-	-	-
1958	51,370	791	15.4	29	35.3	616	12.05	11	8	19	24.02	-	2	2	2.4
1959	51,200	841	16.4	17	19.8	599	11.7	11	4	15	17.8	-	1	1	1.2

DEATHS OF CREME RESIDENTS DURING THE YEAR 1959

CAUSE OF DEATH	ALL	Under 4 weeks	1 Month to 1 Year	Total under 1 Year	1 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 25 Years	25 - 45 Years	45 - 65 Years	65 - 75 Years	75 + Years
1. Tuberculosis of Respiratory System	4	-	-	-	-	-	-	-	1	2	-	1
9. Other infective and parasitic Diseases	4	-	-	-	-	-	-	-	1	-	1	2
10. Malignant Neoplasm - Stomach	18	-	-	-	-	-	-	-	1	7	7	3
11. Malignant Neoplasm - Lungs, Bronchus	18	-	-	-	-	-	-	-	1	11	5	1
12. Malignant Neoplasm - Breast	10	-	-	-	-	-	-	-	2	3	5	-
13. Malignant Neoplasm - Uterus	9	-	-	-	-	-	-	-	1	1	5	2
14. Other Malignant & Lymphatic Neoplasms	55	-	-	-	-	-	-	1	4	17	19	14
15. Leukaemia, Aleukaemia	3	-	-	-	1	-	-	-	-	-	2	-
17. Vascular Lesions of Nervous System	95	2	-	2	-	-	-	-	4	17	25	47
18. Coronary Disease - Angina	91	-	-	-	-	-	-	-	3	40	26	22
19. Hypertension with Heart Disease	11	-	-	-	-	-	-	-	-	1	4	6
20. Other Heart Disease	123	-	-	-	-	-	-	-	2	18	44	59
Carried Forward	441	2	-	2	1	-	-	1	20	117	143	157

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1959

CAUSE OF DEATH	ALL	Under 4 weeks	1 Month to 1 Year	Total under 1 Year	1 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 25 Years	25 - 45 Years	45 - 65 Years	65 - 75 Years	75 + Years
BROUGHT FORWARD	441	2	-	2	1	-	-	1	20	117	143	157
21. Other Circulatory Disease	15	-	-	-	-	-	-	-	1	3	4	7
23. Pneumonia	20	-	1	1	-	-	-	-	-	6	6	7
24. Bronchitis	10	-	-	-	-	-	1	-	-	4	2	3
25. Other Diseases of Respiratory System	7	-	-	-	-	-	-	-	-	2	3	2
26. Ulcer of Stomach and Duodenum	3	-	-	-	-	-	-	-	-	1	1	1
28. Nephritis & Nephrosis	10	-	-	-	-	-	-	-	2	3	2	3
29. Hyperplasia of Prostate	1	-	-	-	-	-	-	-	-	-	-	1
30. Pregnancy, Childbirth, Abortion	1	-	-	-	-	-	-	1	-	-	-	-
31. Congenital Malformations	8	6	1	7	-	-	-	-	1	-	-	-
32. Other Defined & Ill Defined Diseases	67	3	2	5	2	-	-	-	-	4	13	43
33. Motor Vehicle Accidents	4	-	-	-	-	-	-	-	-	1	2	1
34. All Other Accidents	7	-	-	-	-	-	1	-	1	2	2	1
35. Suicide	4	-	-	-	-	-	-	-	1	2	1	-
36. Homicide and Operation of War	1	-	-	-	-	-	-	-	1	-	-	-
	599	11	4	15	3	-	2	2	27	145	179	226

DEATHS OF CREWE INFANTS UNDER 1 YEAR OF AGE DURING 1959

CAUSE OF DEATH	Under 1 Day	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7 Days	14 Days	21 - 28 Days	28 Days to 2 Months	2 Months	3 Months	4 Months	5 Months	6 Months	7 Months	8 Months	9 Months	10 Months	11 - 12 Months	ALL
TOTAL	2	1	1	2	-	1	1	2	-	1	2	-	1	1	-	-	-	-	-	-	-	15
Vascular Lesions of Nervous System	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Congenital Malformations	2	1	-	-	-	-	-	2	-	1	-	-	-	1	-	-	-	-	-	-	-	7
Other Defined & Ill Defined Diseases	-	-	-	2	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	5

NOTIFIED INFECTIOUS DISEASES 1959. Civilian (Corrected in cases of revised diagnosis)

	Under 1 Year	1 - 2 Years	2 - 3 Years	3 - 4 Years	4 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 20 Years	20 - 25 Years	25 - 35 Years	35 - 45 Years	45 - 65 Years	Over 65 Years	Total
Scarlet Fever	-	-	3	6	10	54	3	-	-	2	-	-	-	78
Whooping Cough	1	1	2	-	-	2	-	-	-	-	-	-	-	6
Measles	42	100	115	134	171	501	16	1	1	-	-	-	-	1,081
Pneumonia	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Dysentery	-	-	-	-	-	4	1	1	-	-	-	-	-	6
Meningococcal Infection	1	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	44	101	120	140	181	561	20	2	1	2	-	1	-	1,173

T U B E R C U L O S I S

PARTICULARS OF NEW CASES OF TUBERCULOSIS AND
DEATHS DURING 1959.

Age Period	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M	F	M	F	M	F	M	F
Under 1 Year	-	-	-	-	-	-	-	-
1 year - 4 years	-	-	-	-	-	-	-	-
5 years - 9 years	-	-	-	-	-	-	-	-
10 years - 14 years	1	-	-	1	-	-	-	-
15 years - 19 years	-	3	-	-	-	-	-	-
20 years - 24 years	-	-	-	-	-	-	-	-
25 years - 34 years	2	1	-	-	-	-	-	-
35 years - 44 years	1	-	1	-	1	-	-	-
45 years - 54 years	-	-	-	-	2	-	-	-
55 years - 64 years	3	1	-	-	1	-	-	-
65+	2	-	-	-	1	-	-	-
Total	9	5	1	1	5	-	-	-

PARTICULARS OF NEW CASES AND DEATHS DURING THE LAST
FIVE YEARS

Year	New Cases		Deaths	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
1955	26	4	3	-
1956	44	3	2	-
1957	17	5	9	-
1958	21	-	6	1
1959	14	2	5	-

The following is a summary of the four quarterly returns which are rendered to the County Medical Officer and which indicate the number of cases remaining on the register at 31st December, 1959.

	<u>Pulmonary</u>		<u>Non-Pulmonary</u>	
	M.	F.	M.	F.
No. of cases on Register of Notifications on 1st January, 1959	151	128	19	12
No. of cases notified for the first time during the year	9	5	1	1
No. of cases transferred from other districts	3	5	1	-
No. of cases restored to Register	2	3	-	-
No. of cases removed from Register during the year on account of having:-				
(a) Recovered	8	11	-	-
(b) Removed from district	5	5	-	-
(c) Died	5	-	-	-
(d) Diagnosis not established	-	-	-	-
(e) Lost sight of	1	1	-	-
No. of cases remaining on the Register on 31st December, 1959	146	124	21	13

Of the 5 cases listed under (c) above, 1 died from a primary cause other than tuberculosis.

VACCINATION AND IMMUNISATION

Vaccination against Smallpox

The number of vaccinations reported to me during the year was 415 showing a decrease of 55 on the figures for 1958.

	Under 1 year	1 year	2 - 4 years	5 - 14 years	15 years and over	Total
Primary Vaccination	299	27	18	12	44	400
Re-Vaccination	-	-	-	-	15	15
Totals	299	27	18	12	59	415

Immunisation

During the year cards received from Medical Practitioners showed that 545 children were immunised against diphtheria. In addition 137 children received a boosting dose to improve their immunity.

The corresponding figures for 1958 were 359 and 127.

NUMBER OF CHILDREN WHO HAD COMPLETED A FULL COURSE OF IMMUNISATION
BETWEEN 1st JANUARY, 1945, and 31st DECEMBER, 1959.

(According to Health Department Records)

Age at 31.12.59. i.e. born in year	Under 1 Year (Born 1959)	1 Year (Born 1958)	2 Years (Born 1957)	2 Years (Born 1956)	4 Years (Born 1955)	5 - 9 Years (Born 1950 - 1954)	10 - 14 Years (Born 1945 - 1949)	Total Under 15 Years
Last complete course of injections (Whether primary or booster A. 1955 - 1959	300	284	387	363	350	359	36	2,079
B. 1954 or earlier	-	-	-	-	-	1,737	2,719	4,456
TOTALS	300	284	387	363	350	2,096	2,755	6,535
Estimated child population 1959	3,794						8,277	

Under
5 Years

Between
5 - 15 Years

Estimated percentage of child population
immunised at 31st December, 1959.
(According to records held in the
Divisional Office).

44%

59%

No. of cases of diphtheria in children under
15 years of age notified during the year

-

-

Number of children who completed a course of inoculation with pertussis
vaccines, (including alumprecipitated vaccines and vaccines combined with
diphtheria prophylactic) during 1959.

Age at date of final injection			TOTAL
Under 1 year	1 - 4 years	5 - 14 years	
279	191	89	559

VACCINATION AGAINST POLIOMYELITIS

(According to Records Received)

Class	Number vaccinated with 3rd (Booster) injection	Number vaccinated with 2 injections	Number awaiting vaccination at 31.12.59.
Children born in the years 1943 to 1959 and newly reaching six months of age during the year	6,946	956	4
Young persons born in years 1933 to 1942	572	22	-
Expectant Mothers	345	15	-
General Practitioners & families	9	-	-
Ambulance Staff and families	18	-	-
Hospital Staff, Medical Students & their families	22	-	-
Totals	7,912	993	4

MEDICAL EXAMINATIONS

During the year, 160 persons were medically examined. Of these 86 were examined in conjunction with the Corporation's Superannuation and Sickness Pay Schemes 62 were County Staff or persons seeking entry to a Training College, and 12 were of persons applying for a Taxi Driver's Licence.

MORTUARY

During the year 92 bodies were taken to the Mortuary and 88 Post Mortem examinations were carried out.

MORAL WELFARE

I am indebted to the Secretary of the Crewe and District Committee for Prevention and Rescue work which deals with moral welfare in Crewe and the surrounding area, and also maintains the St. Hilda's Home, 71, West Street, Crewe, for the following information:-

During the year there have been 28 girls and 22 babies in St. Hilda's Home and over 70 outdoor cases have been advised and helped in various ways.

Of the 28 girls received into the Home, 8 went straight into employment, 3 left to be married, 9 returned to their families, 3 went into lodgings and 6 went on to other Homes. 4 babies went home with their mothers, 1 went to the Church of England Children's Society, 1 to the National Children's Home, 1 was taken into the care of the local authority and 15 were adopted.

Of the outdoor cases assisted, 25 girls went to Maternity Homes away from Crewe.

WATER SUPPLY

In addition to the samples taken by the Chief Public Health Inspector's staff, 28 samples of filtered water were taken by the Mid. & South East Cheshire Water Board, and all but 3 of these were found to be satisfactory.

Early in October the source of the water supply changed and in view of this the following is submitted as a typical report:-

"Examination of the sample of water received on the 2nd December, 1959, gave the following results:-

Non Volatile Matter	...	180 parts/1,000,000
Free & Saline Ammonia	...	None Detected
Albuminoid Ammonia	...	" "
Oxygen absorbed 3 hrs at 37°C	...	0.0317 parts/1,000,000
Chloride as Chlorine	...	19.0 " "
Nitrites as Nitrogen	...	None Detected
Nitrates as Nitrogen	...	0.04 parts/1,000,000
Heavy Metals	...	Trace Cu
pH	...	6.9

Probable number of Coli Aerogenes organisms per 100 ml. = 35

Viable Count at 37°C = Nil per ml.

Viable count at 22°C = Nil per ml.

No C Welchii present in 50 mls. of water

Intermediate type I organisms isolated.

CONCLUSION:- From the above chemical and bacteriological results, we consider this sample of water is satisfactory for human consumption."

Of the 28 samples noted above, 11 were taken subsequent to the change in supply. As would be expected the mixture of the two types is much softer than was previously the case.

NATIONAL ASSISTANCE ACT, 1948 - Section 47

No case was dealt with during 1959.

FOOD POISONING

No case of food poisoning was notified during the year.

ANNUAL REPORT OF THE
CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR ENDED
31ST DECEMBER 1959

Chief Public Health Inspector's Department,
Municipal Buildings,
C R E W E.

25th June, 1960.

To the Mayor, Aldermen and Councillors
of the Borough of Crewe.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present to you my twelfth annual report on the work of the public health inspectorate. The period under review has been one of intense activity and reflects great credit on the staff for their zealousness and determination in carrying out the ever increasing duties of the department. The work of the public health inspector is not creative in the true sense of the word nor is it spectacular but it is a calling of considerable importance to the community concerned as it is with the fundamental necessities of a healthy life - good living and working conditions, pure food and clean air.

During the year two clearance areas were declared - West Ward No. 5 (Alexandra Street) Compulsory Purchase Order and West Ward No. 6 (Orchard Place) Clearance Order, involving 105 houses. In addition 17 houses were dealt with under the "individual unfit" procedure, 3 of which were owned by the Council.

In June 1959 the Government introduced the House Purchase and Housing Act, 1959 with a view to encouraging home ownership and raising housing standards. Part II of the Act introduced a new system of standard grants to supplement the existing system of improvement grants, and at the same time made a number of changes in the latter to simplify its operation and render the grants more attractive to owners. The grants now available are of two kinds: they are referred to as standard grants and discretionary grants. Standard grants are available towards the cost of improving a house which lacks certain standard amenities, that is a bath, w.c. wash basin, hot water system or foodstore. They are specially intended to help the modernisation of houses which can be equipped with these amenities without the necessity for structural additions involving much new building work.

Discretionary grants are payable for a wider range and more extensive forms of improvements, including the conversion or adaptation of larger houses and other buildings. The amount of the standard grant is half the approved cost of the work of putting in standard amenities, subject to a maximum of £155 if all the required amenities are installed. In the case of the discretionary grant local authorities have power to contribute up to half of the approved expenditure subject to a maximum of £400.

I am pleased to report that the new system of standard grants has proved to be more attractive although there is still not the response that one had hoped for from property owners. During the year 56 applications, 37 of which were for the new standard grant, were approved as compared with 23 in the previous year. Since the introduction of the grants scheme 164 applications have been approved and by the end of 1959 some 115 dwellings had been completely modernised. The total expenditure ranking for grant was £25,099, the expenditure on works not ranking for grant £7,794 and the average grant per house £76. 10s. Owners of tenanted houses are still reluctant to avail themselves of the opportunity of modernising their property. I would once again appeal to them to make full use of the grant scheme. By this means structurally sound houses are brought up to a good standard of repair and are provided with all the modern amenities so necessary in these days. The department welcomes enquiries and advice and assistance is readily available to all interested parties.

In previous annual reports the implications of the Clean Air Act, 1956 have been discussed and special reference has been made to the part to be played by the industrialist and the householder if real improvement is to be achieved in reducing atmospheric pollution. The Beaver Committee were of the opinion that this objective could only be secured by a continuous programme vigorously pursued, and that if this was done by the end of ten to fifteen years smoke in the heavily polluted areas would be reduced by something in the order of 80 per cent. There are now signs that local authorities are beginning to make use of the sections of the Act controlling both the industrial and the domestic chimney. By the 31st January 1960 144 local authorities had made smoke control areas, in 68 districts the orders were in operation, in 67 cases the orders were confirmed but not at the time in operation and in the remaining 9 instances the orders were made under Local Acts. The total acreage covered by these orders is 33,691.

In the early part of the year a special report on 'Cleaner Air' was submitted to the Health Committee, and as a result the Council accepted the principle of establishing smoke control areas and at the same time adopted a progressive policy with the object of the whole of the Borough eventually becoming a smokeless area. Subsequently the Committee was recommended to establish the first smokeless area - Borough of Crewe No. 1 (Marshfield Bank and Wistaston Green) Smoke Control Order - covering some 270 acres and including 859 Council owned houses, 192 privately owned houses and 15 other premises. This area has now been approved in principle by the Minister of Housing and Local Government and it is hoped that it will come into operation in 1961. A further area in the region of the town centre is under consideration.

The visits made by the public health inspectors in connection with the establishment of these areas has confirmed the view previously held that the public are becoming increasingly conscious of the need for cleaner air.

Since 1949, in co-operation with the Département of Scientific and Industrial Research, the department has made regular monthly recordings of the degree of air pollution in the Borough. Full details of these are given in the section of the report dealing with Atmospheric Pollution. In this regard I would once again like to thank the Area Chemist of British Railways (Midland Region), R. Emrys Jones, Esq., A.M.C.T., F.R.I.C., and his staff for their valued assistance and co-operation.

In conclusion, I wish to express my thanks to His Worship the Mayor, the Chairman and members of the Health Committee, members of the staff and to other chief officers and their staffs for their co-operation.

I have the honour to be,

Your obedient servant,

J. GASKELL.

Chief Public Health Inspector.

SANITARY CIRCUMSTANCES OF THE AREA

PUBLIC CLEANSING

The removal of household and trade refuse is based on a weekly collection service and with the exception of holiday periods, this frequency of collection was maintained generally throughout the Borough.

The Cleansing Department operates a Refuse Disposal Plant, a Kitchen Waste Processing Plant and has a separate Garage and Workshop.

Twelve vehicles (including one spare vehicle) are employed on the collection of household and trade refuse and nightsoil, in addition to three vehicles used in connection with refuse disposal.

Household refuse collected	...	...	12,738 tons
Trade refuse collected	...	...	1,264 tons
Total refuse collected by the			
Department during the year	...	...	<u>14,002 tons</u>

2,473 tons of shop and factory refuse were also brought to the Refuse Disposal Works for disposal, making a total of 16,475 tons of refuse dealt with during the year. 50.7% of the total refuse passed through the works while the remainder was disposed of by controlled tipping.

The estimated amount of nightsoil collected during the year was 156 tons.

A separate Annual Report is issued for the Public Cleansing services in the Borough.

SANITARY ACCOMMODATION

The following table shows the number of closets other than water closets in the Borough at the end of the year.

Waste Water Closets	...	...	667
Pail Closets	...	...	188

WATER SUPPLY

The water supply to the district is provided by the Mid. and South East Cheshire Water Board.

During the year eleven samples of water were submitted for bacteriological examination and chemical examination. One sample was unsatisfactory but a further sample proved satisfactory.

NUMBER AND NATURE OF COMPLAINTS

The Department received 753 complaints during the year from householders, shopkeepers, and others relating to numerous matters, as set out in the table below

NATURE OF COMPLAINT

Disrepair - General	33
Defective fireplaces	..	..	..	..	4
Defective chimneys	..	..	..	..	7
Defective doors	..	..	..	..	2
Defective plasterwork	..	..	..	..	6
Defective floors	..	..	..	..	5
Defective roofs	..	..	..	..	16
Defective eaves gutters and pipes	..	..	..	..	8
Defective sinks	..	..	..	..	2
Burst water pipes	..	..	..	..	2
Dampness	..	..	..	..	16
Defective water closets	..	..	..	..	69
Choked drains	..	..	..	..	199
Flooding	..	..	..	..	7
Defective dustbins	..	..	..	..	2
Accumulations	..	..	..	..	10
Dirty premises	..	..	..	..	3
Vermin	..	..	..	..	6
Beetles and Cockroaches	..	..	..	..	15
Ants	..	..	..	..	20
Rats	..	..	..	..	180
Mice	..	..	..	..	64
Foul and obnoxious odours	..	..	..	..	11
Smoke nuisances	..	..	..	..	6
Ditches and watercourses	..	..	..	..	5
Paving of yards and passages	..	..	..	..	3
Miscellaneous	..	..	..	..	22
753						

INSPECTIONS

Nature of Inspections made	Number	No. of Notices served		Result of Notices served		Prosecutions	
		Inf.	Stat.	Notices complied with	Remain- ing in hand	Inst.	Pend.
1. Dwelling Houses (P.H.Act) ..	332	145	31	133	43	-	-
2. Dwelling Houses (Hsg. Act) ..	266	-	-	-	-	-	-
3. Improvement Grants	347	-	-	-	-	-	-
4. Rent Act Certificates ..	100	-	-	-	-	-	-
5. Back to Back Houses	-	-	-	-	-	-	-
6. Verminous Houses	186	-	-	-	-	-	-
7. Tents, Vans & Sheds	98	-	-	-	-	-	-
8. Ashpails	613	505	23	501	27	-	-
9. Yards and Passages	37	-	-	-	-	-	-
10. House Drains	1867	-	284	284	-	-	-
11. Ditches and Watercourses ..	74	-	-	-	-	-	-
12. Offensive Accumulations ..	34	-	-	-	-	-	-
13. Keeping of Animals	47	-	-	-	-	-	-
14. Offensive Trades	54	1	-	1	-	-	-
15. (a) Slaughterhouses	764	-	-	-	-	-	-
(b) Other places where food is prepared or sold	1497	10	-	5	5	1	-
16. Bakehouses	25	2	-	1	1	-	-
17. Dairies and Milkshops	44	-	-	-	-	-	-
18. Factories (with mech. power)	402	3	-	3	-	-	-
Factories (with no mech. power)	12	1	-	-	1	-	-
19. Workplaces	11	-	-	-	-	-	-
20. Outworkers	-	-	-	-	-	-	-
21. Common Lodging Houses ..	75	-	-	-	-	-	-
22. Shops under Shops Act ..	32	-	-	-	-	-	-
23. Smoke Observations	20	1	-	1	-	-	-
24. Smoke Control Areas	406	-	-	-	-	-	-
25. Infectious Diseases - (Enquiries and Revisits) ..	81	-	-	-	-	-	-
26. Houses re Overcrowding ..	16	-	-	-	-	-	-
27. Milk Samples - (Bacteriological Exam.) ..	123	-	-	-	-	-	-
28. Ice Cream samples	26	-	-	-	-	-	-
29. Water Samples	27	-	-	-	-	-	-
30. Food & Drugs Act (Including Samples)	317	-	-	-	-	3	-
31. Applicants for Corporation houses	512	-	-	-	-	-	-
32. Rodent Control	91	-	-	-	-	-	-
33. Miscellaneous	882	-	-	-	-	3	-
34. Reinspections	1172	-	-	-	-	-	-
TOTALS	10590	668	338	929	77	7	-

INFECTIOUS DISEASE AND DISINFECTION

Disinfection of premises is carried out by formaldehyde spray or formalin vapour generators. Infected bedding and other articles are disinfected by steam or formalin as the circumstances demand.

Number of premises visited where a notifiable disease has occurred 80

Number of rooms disinfected 14

Number of cases where bedding, etc., was disinfected by steam at request of owners 19

Number of Library Books disinfected -

(a) from Public Library .. 52
(b) from Private Libraries .. 13 .. 65

During the year, 16 bottles of disinfecting fluid, amounting to 2 gallons, were supplied free of charge for use at premises where cases of infectious disease had occurred.

DISINFESTATION

The following table shows the number of premises treated during 1959

	Number found to be infested		Number of Premises Disinfested
	Premises	Rooms	
Council Houses	10	42	10
Other Houses	30	119	30
Cases confirmed after complaint of infestation	6	-	-
Cases found by Public Health Inspectors	34	-	-
Houses disinfested by Corporation ..	-	-	40
Houses disinfested by Contractors ..	-	-	-

The work of disinfestation was carried out by the use of D.D.T. and patent fumigant solutions.

In addition to the premises listed above, 42 houses were treated for infestations of beetles and 40 houses for ants.

SWIMMING BATHS

The only Public Swimming Baths in the Borough are owned by the Corporation and contain two swimming pools, slipper or private wash baths and various other amenities.

During the year four samples of bath water were submitted for bacteriological and chemical examination, and three samples were satisfactory but one, from the small pool, was unsatisfactory. Arrangements were made for additional chlorination to be carried out during busy periods and a further sample proved satisfactory.

OFFENSIVE TRADES

The following offensive trades are carried on in the Borough.

Rag and Bone Dealers	..	..	..	3
Gut Scrapers	..	..	..	1
Bone Boiler and Fat Extractor	..	..	..	1

In addition to the above, 28 persons are registered as Dealers in Old Metal.

RAG FLOCK

Number of licensed premises used for the manufacture of, or storage of Rag Flock	..	..	..	..	..	-
Number of registered premises where filling materials are used	..	..	..	..	..	2

COMMON LODGING HOUSES

There are two Common Lodging Houses in the Borough, situated at 175 and 177 Market Street, and the following table shows the number of beds available at each house.

Situation				No. of Beds	Accommodation available for
(1)	175 Market Street	..	..	10	Male and Female
(2)	177 Market Street	..	..	26	Male
Total number of beds				36	

The number of persons who used the lodging houses during the year is given below with comparative figures for the two proceeding years.

				<u>Adults</u>		<u>Children</u>	
				<u>Males</u>	<u>Females</u>	<u>Males</u>	<u>Females</u>
1959	..	..	..	7,595	920	-	-
1958	..	..	..	7,100	1,225	-	-
1957	..	..	..	7,910	876	-	-

HOUSING STATISTICS

Number of New Houses erected during the year:

(1)	By the Local Authority	..	..	..	..	90
(2)	By other authorities	..	..	..	..	-
(3)	By other bodies or persons	..	..	..	..	55

1. Inspection of Dwelling Houses during the year:

(1) (a) Total number of houses inspected for housing defects (under Public Health Act or Housing Act) -

(i)	On General Inspection	..	..	..	145	
(ii)	Slum Clearance - Second Five Year Programme	...	..	..	123	
	Total	..	..	..		268

(b) Number of inspections made for the purpose -

(i)	General inspections	..	..	..	332	
(ii)	Slum Clearance - Second Five Year Programme	..	..	..	266	
	Total	..	..	..		598

(2) (a) Number of Dwelling houses (included under the sub-heading (1) above) which were inspected and recorded under the Housing Consolidation Regulations, 1925 -

(i)	On general inspection	..	..	..	Nil	
(ii)	Slum Clearance - Second Five Year Programme	..	..	..	123	
	Total	..	..	..		123

(b) Number of inspections made for the purpose -

(i)	General inspections	..	..	..	Nil	
(ii)	Slum Clearance - Second Five Year Programme	..	..	..	266	
	Total	..	..	..		266

Housing Statistics, cont.

- (3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for habitation -

(i)	On general inspections	..	..	..	Nil			
(ii)	Slum Clearance - Second Five Year Programme	..	..	..	123			
	Total	..	..	..	123			

- (4) Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation -

Total . . . 145

2. Remedy of Defects during the year without service of Formal Notices

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers

.. .. . 110

3. Action under Statutory Powers during the Year

- (a) Proceedings under Sections 9 and 10 of the Housing Act 1957 -

- (1) Number of dwelling houses in respect of which notices were served requiring repairs Nil

- (2) Number of dwelling houses which were rendered fit after service of formal notices -

- (a) By owners Nil

- (b) By Local Authority in default of owners Nil

- (b) Proceedings under Public Health Acts -

- (1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 31

Housing Statistics, cont

3. (b) Proceedings under Public Health Acts -

(2) Number of dwelling houses in which defects were remedied after service of formal notices -

(a) By owners 19

(b) By Local Authority in default of owners 4

(c) Proceedings under Sections 16 and 17 of the Housing Act, 1957 -

(1) Number of Dwelling houses in respect of which demolition orders were made.. .. . 6

(2) Number of dwelling houses demolished in pursuance of demolition orders 9

(3) Number of undertakings to carry out works in lieu of demolition accepted by the Council -

(4) Number of dwelling houses in respect of which closing orders were made -

4. Housing Act 1957 - Part IV - Overcrowding

(a) (1) Number of dwellings overcrowded at end of the year 6

(2) Number of families dwelling therein 7

(3) Number of persons dwelling therein 53

(b) Number of new cases of overcrowding reported during the year 4

(c) (1) Number of cases of overcrowding relieved during the year 3

(2) Number of persons concerned in such cases 26

(d) Particulars of any cases in which dwelling houses have again become overcrowded after the local authority have taken steps for the abatement of overcrowding Nil

HOUSING CLEARANCE PROGRAMME

The following table shows the progress made since 1955 to the end of the year with the Slum Clearance Programmes.

Description of Property	No. of houses in Area	Date of Representation or Report	Date of Confirmation of Order	No. of families rehoused 3/11/55 - 31/12/59	No. of houses demolished to 31/12/59
<u>1. CLEARANCE AREAS:</u>					
West Ward No. 2 (Naylor Street) Compulsory Purchase Order 1956	87	5/6/56	5/4/57	79	87
West Ward No. 3 (Stafford Street) Clearance Order 1957	8	5/6/56	19/6/57	7	8
Central Ward No. 4 (Foundry Street) Clearance Order 1957	15	4/6/57	11/3/58	13	15
North Ward No. 8 (Earle Street) Clearance Order 1957	7	4/6/57	19/11/57	7	7
North Ward No. 9 (Martin Street) Clearance Order 1957	15	13/8/57	8/7/57	13	15
South Ward No. 2 (Railway Street) Clearance Order 1957	18	13/8/57	22/9/58	18	-
West Ward No. 4 (Stafford Street and Henshaw Street) Clearance Order 1958	10	4/6/58	9/7/59	2	-
South Ward No. 3 (Mill Street) Clearance Order 1958	6	12/8/58	8/5/59	4	-
c/f	166	-	-	143	132

Description of Property	No. of houses in Area	Date of Representation Report	Date of Confirmation of Order	No. of families rehoused 3/11/55 - 31/12/59	No. of houses demolished to 31/12/59
b/f	166	-	-	143	132
<u>Clearance areas, cont.</u>					
Central Ward No. 5 (Lockitt Street) Clearance Order 1958	15	12/8/58	19/5/59	9	-
North Ward No. 10 (Davenport Street) Clearance Order 1958	14	12/8/58	8/4/59	13	-
North Ward No. 11 (Broad Street) Clearance Order 1958	12	12/8/58	14/4/59	10	-
North Ward No. 12 (Broughton Road) Clearance Order 1958	3	12/8/58	8/4/59	2	-
North Ward No. 13 (Sydney Road) Clearance Order 1958	2	7/10/58	8/4/59	3	-
West Ward No. 5 (Alexandra Street) Compulsory Purchase Order 1959	85	7/4/59	-	-	-
West Ward No. 6 (Orchard Place) Clearance Order 1959	20	2/6/59	-	-	-
2. <u>AREAS DEALT WITH INFORMALLY WITH THE APPROVAL OF THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT</u>					
Park Place	67	19/4/56	9/7/57	65	67
c/f	384	-	-	245	199

HOUSING CLEARANCE PROGRAMME, Cont

- 32 -

Description of Property	No. of houses in Area	Date of Representation or Report	Date of Confirmation of Order	No. of families rehoused 3/11/55 - 31/12/59	No. of houses demolished to 31/12/59
b/f	383	-	-	245	199
3. HOUSES BELONGING TO THE CORPORATION AND DEMOLISHED WITH APPROVAL OF THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT					
During 1954	6	-	-	3	6
During 1956	3	-	-	2	3
During 1958	4	-	-	2	-
During 1959	3	-	-	1	1
4. HOUSES DEALT WITH BY INDIVIDUAL DEMOLITION OR CLOSING					
(a) Demolition Orders:					
During 1955	1	-	-	1	1
During 1956	4	-	-	3	4
During 1957	9	-	-	6	9
During 1958	11	-	-	9	11
During 1959	14	-	-	2	-
(b) Closing Orders:					
During 1955	1	-	-	1	-
During 1956	1	-	-	-	-
During 1959	1	-	-	1	-
TOTALS	442	-	-	276	234

IMPROVEMENT GRANTS

1.	Number of applications received to 31st December 1958	..	..	..	109
	Number of applications received during the year	..	..	..	56
	Total applications received to 31st December 1959	..	..	..	<u>165</u>
2.	Number of applications approved to 31st December 1958	..	..	..	108
	Number of applications approved during the year	..	..	..	56
	Total applications approved to 31st December 1959	..	..	..	<u>164</u>
3.	Number of applications withdrawn to 31st December 1958	..	..	..	6
	Number of applications withdrawn during the year	..	..	..	-
	Total applications withdrawn to 31st December 1959	..	..	..	<u>6</u>
4.	Number of cases where work was completed by 31st December 1958	.	..		87			
	Number of cases where work was completed during the year	..	..	..	28
	Total number of cases where work was completed by 31st December 1959				<u>115</u>			
5.	Expenditure ranking for grant approved to 31st December 1958	£16,943	3s.	0d.
	Expenditure ranking for grant approved during the year	8,156	6s.	1d.
	Total expenditure ranking for grant approved to 31st December 1959	£25,099	9s.	1d.
6.	Expenditure on works and repairs not ranking for grant in cases approved to 31st December 1958	£5,124	10s.	7d.
	Expenditure on works and repairs not ranking for grant in cases approved during the year	2,670	3s.	11d.
	Total expenditure on works and repairs not ranking for grant in cases approved to 31st December 1959	£7,794	14s.	6d.
7.	Number of grants repaid to 31st December 1959			3.
	Total amount of grants repaid	£180	1s.	9d.
8.	Average grant per house	£76	10s.	5d.

NOTE:- The above expenditure figures include the figures in respect of applications approved but later withdrawn or repaid.

CERTIFICATES OF DISREPAIR

Rent Act 1957

Part I - Applications for Certificates of Disrepair

Number of applications for certificates	..	..	..	..	25
Number of decisions not to issue certificates	..	..	..	..	Nil
Number of decisions to issue certificates -					
(a) in respect of some but not all defects	.	..	..	..	13
(b) in respect of all defects	..	..	..	..	12
Number of undertakings given by landlords under					
paragraph 5 of the first schedule	..	..	..	..	10
Number of undertakings refused by Local Authority					
under proviso to paragraph 5 of the first schedule	..	..	..	..	Nil
Number of certificates issued	..	..	..	..	14

Part II - Applications for Cancellation of Certificates

Number of applications by landlords to Local Authority					
for cancellation of certificates	..	..	..	..	7
Number of objections by tenants to cancellation					
of certificates	..	..	..	..	4
Number of decisions by Local Authority to cancel in					
spite of tenants' objections	..	..	..	..	Nil
Number of certificates cancelled by Local Authority	..	..	..	..	3

FACTORIES ACT 1937

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Particulars		Number on Register	Inspections	Number of Written Notices	Occupiers Prosecuted
(i)	Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	51	12	1	-
(ii)	Factories not included in (i) in which Section 7 is enforced by the Local Authority	203	402	3	-
(iii)	Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers premises).	17	11	-	-
TOTAL		271	425	4	-

2. CASES in which defects were found

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred To H.M. Inspector	Referred By H.M. Inspector
Want of Cleanliness (S.1.)	1	-	-	1
Sanitary Conveniences (S.7.)				
(a) Insufficient	-	-	-	-
(b) Unsuitable or defective	3	3	-	3
(c) Not separate for sexes	-	-	-	-
TOTAL	4	3	-	4

3. OUTWORKERS. List required by Section 110 received relating to 71 outworkers all engaged in making wearing apparel.

RODENT CONTROL

The Corporation employ two full-time rodent operators and the extermination methods employed are poisoning, gassing and trapping. The following table summarises the work carried out:-

	Type of Property				Total
	Local Auth.	Dwell. Hses.	Agric. Prop.	Bus. Pres.	
<u>NUMBER OF PROPERTIES INSPECTED:</u>					
(1) Primary Inspections:					
(a) as a result of notification	10	170	-	23	203
(b) otherwise	4	346	-	-	350
(2) Reinspections:					
(a) as a result of notification	9	30	-	13	52
(b) otherwise	4	47	-	1	52
Total properties inspected . ..	27	593	-	37	657
<u>NUMBER OF PROPERTIES FOUND TO BE INFESTED BY RATS</u>					
(1) On primary inspections:					
(a) Major	2	-	-	-	2
(b) Minor	13	307	-	12	332
(2) Reinfestation					
(a) Major	1	-	-	-	1
(a) Minor	8	61	-	5	74
<u>NUMBER OF PROPERTIES FOUND TO BE INFESTED BY MICE</u>					
(1) On primary inspections	1	116	-	11	128
(2) On reinspections	2	12	-	8	22
Total infestations found	27	496	-	36	559
<u>NUMBER OF INFESTED PROPERTIES TREATED BY LOCAL AUTHORITY</u>					
(1) Primary treatments:					
(a) for rats	12	257	-	8	277
(b) for mice	1	92	-	8	101
(2) Treatments for reinfestation					
(a) for rats	9	51	-	6	66
(b) for mice	3	9	-	5	17
Total treatments	25	409	-	27	461

NOTE: A treatment means a complete treatment for the destruction of rats and mice and includes not only the initial treatment, but when necessary, post-baiting and follow-up treatment.

RODENT CONTROL, cont

Following the treatments carried out, 1,075 rats and 645 mice were picked up, whilst the estimated kill was 3,608 rats and 1,091 mice.

During the year the rodent operators paid 6,818 visits in connection with the inspection and treatment of premises.

Two maintenance treatments of the sewers were also carried out. 946 manholes were baited and 552 takes of poison bait was recorded, showing an estimated kill of 1,250 rats.

PET ANIMALS ACT 1951

There are four premises in the Borough, licensed for the sale of pet animals. All these premises comply with the recommended conditions of the Royal Society for the Prevention of Cruelty to Animals, which were adopted by the Council.

[illegible]

MILK

Distributors of Milk

Registered distributors of milk	..	..	..	..	..	..	155
Registered dairies	..	..	..	..	..	..	11

Designated Milk

Tuberculin Tested milk -

Dealer's licences	..	..	..	..	..	..	31
Dealer's Supplementary licences	..	..	..	..	..	..	7

Pasteurised milk

Establishments at which milk is pasteurised -

Holder Process	..	..	..	..	..	..	-
H.T.S.T. Process	..	..	..	..	..	..	1
Dealer's Licences	..	..	..	..	..	..	44
Dealer's Supplementary licences	..	..	..	..	..	..	7

Sterilised Milk

Dealer's licences	..	..	..	..	..	..	132
Dealer's Supplementary licences	..	..	..	..	..	..	4

MILK SAMPLING

During the year 109 samples of designated milks were taken for bacteriological examination and the following table provides details of the results.

No. of Samples	Description of milk	Methylene Blue Test		Phosphatase Test		Turbidity Test	
		Passed	Failed	Passed	Failed	Passed	Failed
30	Tuberculin Tested (Pasteurised)	30	-	30	-	-	-
2	Tuberculin Tested	1	1	-	-	-	-
68	Pasteurised	66	2	66	2	-	-
9	Sterilised	-	-	-	-	8	1
109	TOTALS	97	3	96	2	8	1

The following table shows the average fat and solids-not-Fat contents of milk samples taken under the Food and Drugs Act 1955.

SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES

PERIOD	No. of samples examined	Averages	
		Milk Fat %	Solids-not-Fat %
Quarter ended 31st March, 1959	2	3.54	8.59
Quarter ended 30th June 1959	12	3.35	8.59
Quarter ended 30th September 1959	10	3.50	8.58
Quarter ended 31st December 1959	10	3.70	8.66
YEAR 1959	34	3.51	8.61

During the year 21 samples were taken from producers in the Borough and submitted to examination for tuberculosis. 20 samples proved negative but one sample gave a positive result. Immediate notification of this case was made to the Divisional Veterinary Inspector. An affected animal was discovered in the herd and slaughtered.

ICE CREAM

Ice cream was manufactured at two premises in the Borough in 1959, while 206 premises were registered for the storage and sale of ice cream. A complete cold mix is used at both manufacturing premises in the Borough.

27 samples of ice cream were submitted for bacteriological examination and the results of the examination are shown below.

Ice Cream	Methylene Blue Test Grading				Total
	Grade I	Grade 2	Grade 3	Grade 4	
Samples taken at Manufacturing Premises ..	2	4	-	1	7
Samples taken from Retailers in the Borough	15	4	1	-	20
TOTALS	17	8	1	1	27

ICE CREAM, Cont.

Six samples of ice cream were taken under the Food and Drugs Act, for chemical analysis. The average fat content of these samples was 11.0% and the average non-fatty solids 12.7%

SLAUGHTERHOUSES

During 1959, there were three private slaughterhouses licensed in the Borough.

There are no slaughterhouses in the Borough licensed for the slaughter of horses.

MEAT INSPECTION

The following tables show the types of animals slaughtered and inspected with particulars of the diseases found necessitating complete or partial condemnation.

Number of animals slaughtered during the past five years

Year	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Totals
1959	2,137	121	50	8,848	4,194	15,350
1958	2,399	105	67	7,029	4,540	14,140
1957	2,420	98	125	7,223	4,190	14,056
1956	2,004	361	124	7,396	4,209	14,094
1955	1,398	616	99	7,246	5,195	14,554

CARCASES INSPECTED AND CONDEMNED

	Cattle (excl. cows).	Cows	Calves	Sheep and Lambs	Pigs	Horses	Totals
Number killed	2,137	121	50	8,848	4,194	-	15,350
Number inspected ..	2,137	121	50	8,848	4,194	-	15,350
<u>ALL DISEASES EXCEPT TUBERCULOSIS</u>							
Whole carcasses condemned	-	2	1	1	6	-	10
Carcases of which some part or organ was condemned	1,205	67	-	798	350	-	2,420
Percentage of the number inspected affected with disease other than tuberculosis	56.39%	57.2%	2.0%	9.03%	8.49%	-	15.76%
<u>TUBERCULOSIS ONLY</u>							
Whole carcasses condemned	4	-	-	-	1	-	5
Carcases of which some part or organ was condemned	120	18	-	-	137	-	275
Percentage of the number inspected affected with tuberculosis	5.80%	14.88%	-	-	3.29%	-	1.82%
<u>CYSTICERCOSIS</u>							
Carcases of which some part or organ was condemned	18	-	-	-	-	-	18
Carcases submitted to treatment by refrigeration	18	-	-	-	-	-	18
Generalised and totally condemned ..	-	-	-	-	-	-	-

DISEASE	WEIGHT, IN LBS. OF MEAT AND OTHER FOODS CONDEMNED										
	Beef	Veal	Mutton	Pork	Fish	Veget- ables	Cheese	Butter	Tinned Foods	Miscell- aneous	Totals
Tuberculosis	5,570	-	-	2,554	-	-	-	-	-	-	8,124
Parasites and Cysts -											
Cestodes	536	-	266	11	-	-	-	-	-	-	813
Nematodes	422	-	18	165	-	-	-	-	-	-	605
Trematodes	15,606	-	1,216	29	-	-	-	-	-	-	16,851
Abscesses	971	-	5	54	-	-	-	-	-	-	1,030
Angioma	162	-	-	-	-	-	-	-	-	-	162
Dropsy	-	-	40	-	-	-	-	-	-	-	40
Traumatism	144	-	-	214	-	-	-	-	-	-	358
Inflammation	489	-	8	493	-	-	-	-	-	-	990
Moribund	-	40	-	-	-	-	-	-	-	-	40
Actinomycosis	350	-	-	-	-	-	-	-	-	-	350
Pericarditis	9	-	-	12	-	-	-	-	-	-	21
Peritonitis	98	-	8	39	-	-	-	-	-	-	145
Pleurisy	178	-	9	140	-	-	-	-	-	-	327
Pneumonia	-	-	22	326	-	-	-	-	-	-	348
Toxaemia	135	-	-	-	-	-	-	-	-	-	135
Cirrhosis	-	-	-	56	-	-	-	-	-	-	56
Septicaemia	450	-	-	50	-	-	-	-	-	-	500
Neoplasms	8	-	-	-	-	-	-	-	-	-	8
Decomposition	936	-	-	-	136	574	38	69	3,884	22	5,659
TOTALS	26,064	40	1,592	4,143	136	574	38	69	3,884	22	36,562

TOTAL WEIGHT 36,562 LBS.

CONDEMNED FOOD

The condemned meat and offal from the licensed slaughterhouses and other condemned food was disposed of either by processing into animal feeding stuffs at the Cleansing Department's Kitchen Waste Processing Plant, or by burning or burial at the Refuse Disposal Works.

SLAUGHTER OF ANIMALS ACTS 1933-1954

The number of slaughtermen's licences issued in 1959 was 35.

CYSTICERCUS BOVIS

The routine inspection of all bovine carcasses is carried out for the presence of cysticercus bovis. The organs of 18 carcasses were found to be affected during the year and arrangements were made for the carcasses to be placed in cold store for a period of three weeks in accordance with approved policy.

KNACKER'S YARDS

There are two Knacker's yards in the Borough. Neither of these premises is licensed for the slaughter of horses.

FOOD AND DRUGS ACT 1955

During the year 25 formal and 187 informal samples were submitted to the Public Analyst for analysis.

Nature of sample	No. of samples		Number of samples adulterated or not genuine
	Informal	Formal	
Milk	13	25	-
Meat and Meat Products	39	-	1
Fish and Fish Products	11	-	-
General Groceries	66	-	-
Preserves	4	-	-
Ice Cream	6	-	-
Confectionery	25	-	4
Cordials	3	-	-
Medicines etc.	20	-	2
	187	25	7
	212		

FOOD AND DRUGS ACT 1955, cont.

The table below shows details of the samples found not to be genuine and of the relative action taken.

Sample Number	Article	Adulteration or other irregularity	Action taken
1757 Informal	Gulasch	Improperly labelled	Importers notified and label amended
1770 Informal	Indian Brandee	Deficient in Chloroform	Stocks withdrawn
1726 Informal	Sausage	Contained mould	Stock condemned
1846 Informal	Parfait Icing	Inner surface of carton contained dirt	Stock withdrawn
1889 Informal	Ammoniated Tincture of Quinine	Deficient in Ammonia	Stock withdrawn
1945) Informal) 1946) Informal)	Milk Chocolate Roasted Peanuts	Contained live caterpillar, grub of Cacao moth and webbing and excreta of cacao moth	Stock withdrawn Vendor cautioned

ATMOSPHERIC POLLUTION

In February 1959 a special report dealing with the implications of the Clean Air Act 1956 and in particular the establishment of Smoke Control Areas was submitted to the Health Committee. After careful consideration the Committee and the Council accepted the principle of establishing smoke control areas and resolved that sufficient provision be made annually in the estimates for carrying a progressive policy into effect.

Later in the year the Committee was recommended to establish the first smoke control area - the Borough of Crewe No. 1 (Marshfield Bank and Wistaston Green) Smoke Control Order - governing some 270 acres and including 859 Council owned houses, 192 privately owned houses and 15 other premises. This area has now been approved in principle by the Ministry of Housing and Local Government.

Another area in the region of the town centre is under consideration.

Five atmospheric pollution recording stations are in operation in the Borough and apart from outside interference or damage, have operated satisfactorily during the year. The analyses of the readings of the various stations are shown in the appended tables and graphs. The first table shows readings of the standard deposit gauges, which measure the rate of fall-out of solid impurities in the atmosphere and these figures give an indication of the degree of pollution in the different areas. The second table shows the extent of sulphur gases in the atmosphere and it will be noted that the highest readings are during the winter months, suggesting that domestic fires are very largely contributory to this type of pollution.

Five applications were received for "prior approval" under Section 3 of the Clean Air Act, 1956, and notification was received of "intention to install" a furnace. The Health Committee approved of all the applications for "prior approval".

ATMOSPHERIC POLLUTION

Monthly Deposits in Tons per square mile

MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE			CREWE GATES FARM
	1957	1958	1959	1957	1958	1959	1957	1958	1959	1957	1958	1959	
Jan.	12.43	15.57	14.89	14.35	22.75	19.39	6.74	9.30	7.06	9.81	14.97	11.34	12.55
Feb.	15.18	17.16	9.39	17.27	19.87	16.19	7.46	10.00	5.59	9.79	12.02	8.70	8.27
Mar.	18.08	16.65	16.61	20.78	17.31	21.35	5.93	10.34	9.13	9.57	9.36	10.42	9.25
April	14.28	13.84	17.44	16.67	17.01	27.40	7.29	8.95	10.50	11.30	9.43	17.50	13.59
May	13.52	13.70	14.30	17.10	16.10	22.01	8.44	7.14	11.14	11.13	8.60	12.78	12.23
June	*	13.99	15.79	14.88	16.64	16.99	10.28	9.95	13.25	11.35	13.17	13.13	27.39
July	18.26	11.80	15.05	17.22	13.40	13.55	9.38	6.09	7.06	10.84	8.42	10.59	18.15
Aug.	19.11	11.41	11.87	17.90	14.05	13.48	11.37	7.72	6.06	11.45	9.97	8.00	9.92
Sept.	17.31	15.14	15.04	17.74	17.23	15.64	10.68	7.25	9.96	11.97	10.64	9.58	11.31
Oct.	12.20	13.92	16.85	12.12	16.22	19.27	4.85	6.73	10.00	12.56	10.44	11.65	12.40
Nov.	11.80	14.05	10.87	15.79	18.96	20.57	5.05	7.67	7.31	8.28	10.84	8.34	19.03
Dec.	15.32	14.21	17.15	19.36	17.61	20.80	9.13	9.73	9.04	12.00	10.33	11.93	10.75
TOTAL	167.49	171.62	175.25	201.18	207.15	226.64	96.60	100.87	106.10	130.05	128.19	133.96	164.84
MONTHLY AVERAGE	15.23	14.30	14.60	16.77	17.26	18.88	8.05	8.41	8.84	10.84	10.68	11.16	13.74

* No result obtained owing to damage to equipment.

ATMOSPHERIC POLLUTION

Sulphur Dioxide by the Lead Peroxide Method
Results expressed as mg./SO₂/day/100 sq. c.m. of Batch
"A" Lead Peroxide exposed under a louvered cover

MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE			CREWE GATES FARM
	1957	1958	1959	1957	1958	1959	1957	1958	1959	1957	1958	1959	1959
Jan.	0.86	1.65	3.37	1.34	4.28	4.55	0.41	0.26	1.72	0.67	0.88	2.35	1.99
Feb.	1.12	2.09	4.14	1.73	3.20	4.73	0.50	0.77	2.03	1.00	1.14	2.04	1.33
Mar.	2.39	1.51	2.27	2.96	1.73	2.52	1.00	0.76	0.94	1.09	0.96	1.02	0.98
April	1.74	1.32	1.39	2.17	2.01	2.58	0.79	0.53	0.53	0.84	0.82	0.91	0.99
May	1.59	1.13	1.56	1.96	1.59	1.94	0.70	0.40	1.09	0.67	0.52	0.88	1.05
June	0.81	1.49	1.44	1.18	1.51	1.74	0.46	0.46	0.94	0.35	0.86	0.91	1.58
July	0.79	0.93	0.52	1.18	1.11	0.70	0.39	0.43	0.21	0.64	0.48	0.31	0.24
Aug.	0.73	0.86	0.86	1.00	1.11	0.97	0.71	0.30	0.33	0.43	0.34	0.39	0.54
Sept.	0.98	1.94	1.30	1.51	1.68	1.66	0.36	0.62	0.56	0.34	0.54	0.65	0.64
Oct.	2.84	1.96	0.85	2.10	2.81	1.89	0.56	0.99	0.42	2.21	0.60	0.70	2.29
Nov.	0.63	2.34	2.56	1.06	3.30	2.60	0.66	1.02	1.09	0.68	1.32	1.45	1.40
Dec.	0.99	2.54	1.31	1.58	3.26	1.24	0.46	0.87	0.44	0.90	1.23	0.69	0.88
TOTAL	15.47	19.76	21.57	19.77	27.59	27.12	7.00	7.41	10.30	9.82	9.69	12.30	13.91
MONTHLY AVERAGE	1.29	1.65	1.80	1.65	2.30	2.26	0.58	0.62	0.86	0.82	0.81	1.02	1.16

ATMOSPHERIC POLLUTION

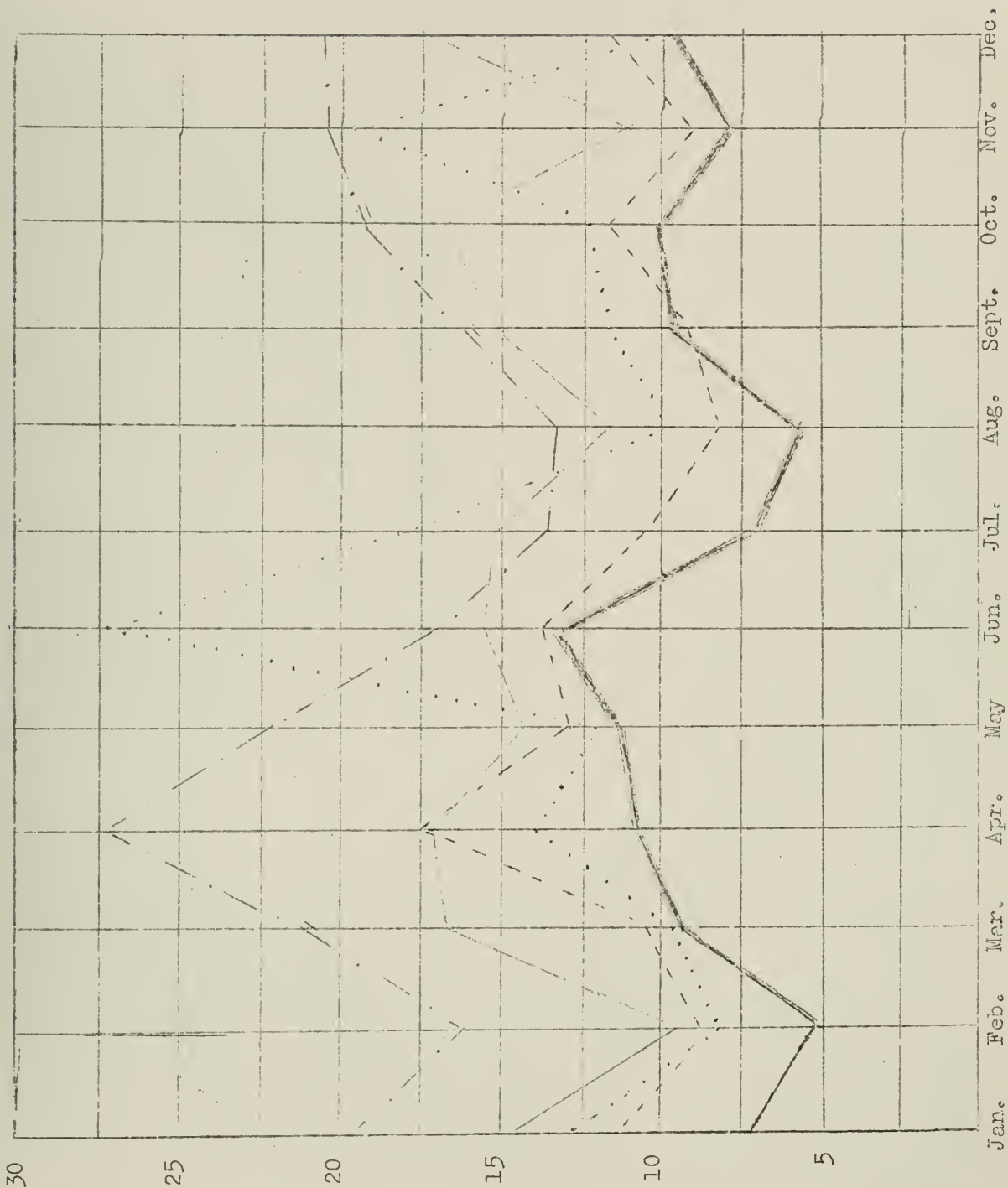
Monthly Rainfall in Inches

MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE			CREWE GATES FARM
	1957	1958	1959	1957	1958	1959	1957	1958	1959	1957	1958	1959	1959
Jan.	1.68	2.13	2.74	1.57	2.25	2.69	1.70	1.97	2.92	1.55	2.50	2.77	2.78
Feb.	1.98	3.12	0.28	1.91	3.24	0.33	1.89	3.52	0.33	1.88	3.50	0.28	0.30
Mar.	2.33	1.20	1.49	2.37	1.31	1.36	2.41	1.25	1.50	2.58	1.34	1.60	1.47
Apr.	0.31	0.72	3.04	0.28	0.73	3.39	0.35	0.70	3.20	0.38	0.68	3.30	3.44
May	1.23	2.16	1.29	0.99	2.19	1.34	1.23	2.12	1.36	1.21	2.14	1.33	1.36
June	1.72	4.09	1.60	1.28	4.39	1.51	1.42	4.10	1.56	1.65	4.31	1.55	1.55
July	4.63	3.53	2.10	5.04	3.25	1.93	4.86	3.29	2.14	5.15	3.66	2.52	2.23
Aug.	3.62	3.48	0.42	3.77	3.03	0.42	3.73	2.68	0.44	3.54	3.48	0.42	0.43
Sept.	6.08	3.87	0.08	5.93	3.67	0.06	6.08	3.70	0.09	6.10	3.69	0.12	0.09
Oct.	2.13	2.45	2.14	2.16	2.50	2.46	2.09	2.62	2.30	2.25	2.74	2.03	2.04
Nov.	1.31	1.79	3.10	1.24	1.69	2.78	1.33	1.80	2.95	1.14	1.77	2.82	2.92
Dec.	1.92	2.89	3.82	1.91	2.76	3.64	1.75	2.87	3.82	2.16	2.86	3.90	3.32
TOTAL	28.94	31.43	22.10	28.45	31.01	21.91	28.84	30.62	22.61	29.59	32.67	22.64	21.93
MONTHLY AVERAGE	2.41	2.62	1.84	2.37	2.58	1.83	2.40	2.55	1.88	2.46	2.72	1.88	1.83

GRAPH I

ATMOSPHERIC POLLUTION
Monthly Deposits in Tons per Square Mile
SMOKE DEPOSITED MATTER 1959

Ashbank Stores
Imperial Chambers
Sewage Works
Elm Drive
Crewe Gates Farm



--- Ashbank Stores
 --- Imperial Chambers
 --- Sewage Works
 --- Elm Drive
 --- Crewe Gates Farm

ATMOSPHERIC POLLUTION

GRAPH II

Sulphur Dioxide by the Lead Peroxide Method
 Results expressed as $\text{Mg. SO}_3/\text{Day}/100 \text{ sq.cm. of Batch}$
 'A' Lead Peroxide exposed under a louvered cover
 SULPHUR DIOXIDE DEPOSITS 1959

